



Universität Hamburg
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Climate reporting in sustainability reporting standards

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18.02.2024



Standard Setter

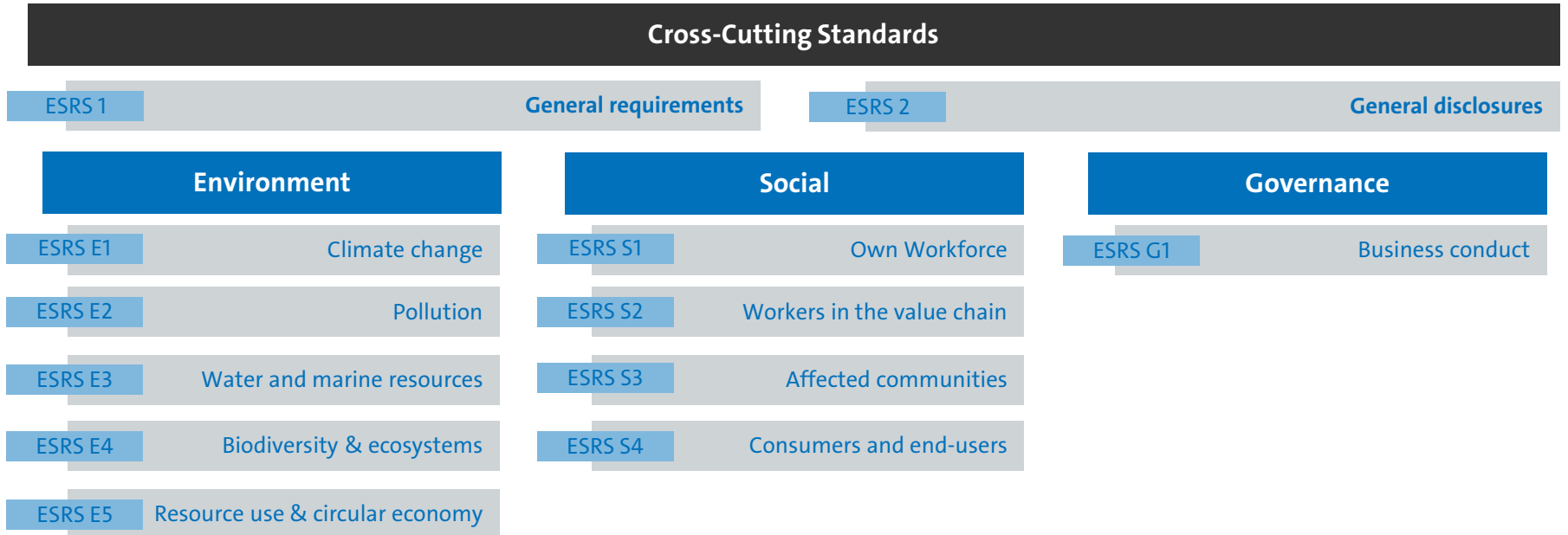
EFRAG

SEC

ISSB



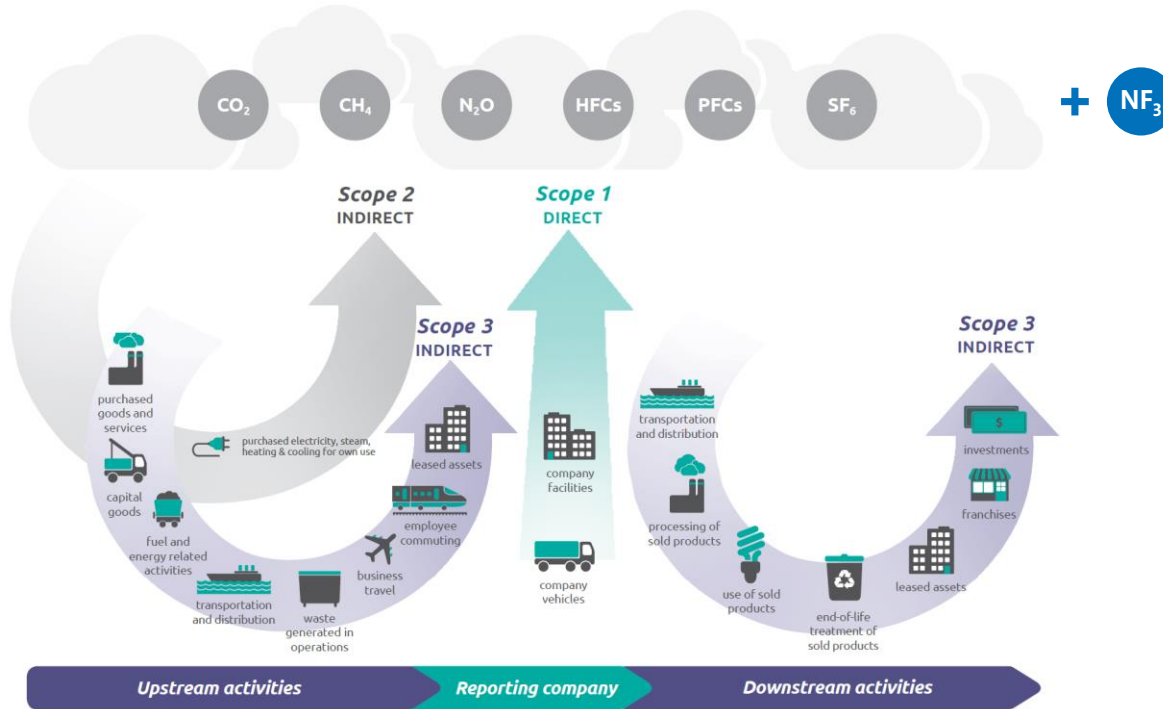
ESRS Structure



ESRS E1 Structure

- Disclosure requirements
 - ESRS 2 General disclosures
 - Governance
 - Strategy
 - Impact, risk, and opportunity management
 - Metrics and targets
- Application requirements

Operational boundaries in climate reporting

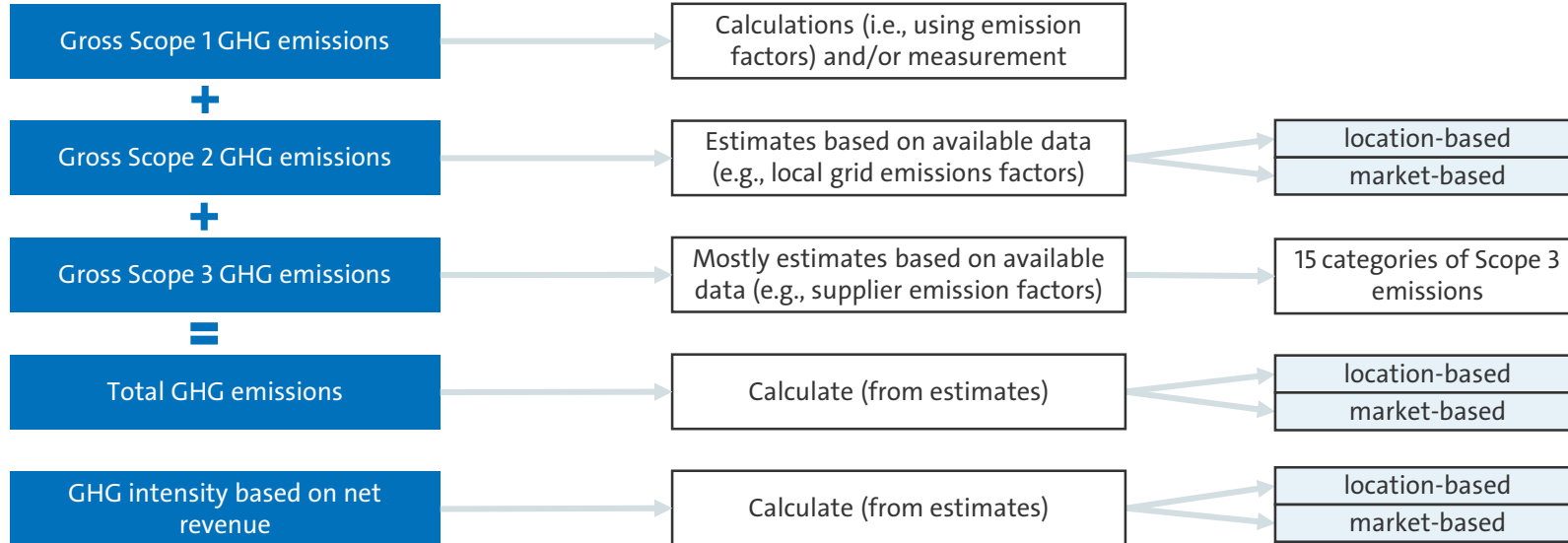


Source: Greenhouse Gas Protocol (2011): *Corporate value chain (Scope 3) accounting and reporting standard*.

ESRS E1: Scenario analysis (IRO management)

- ESRS E1 requires that companies disclose if and how they have used scenario analysis to inform their assessment of climate risk exposure (and opportunities).
- **For the use of scenario analyses, companies need appropriate, if possible sector-specific, frameworks and guidance.**
- ESRS E1 names some publicly available climate scenario that companies may use.

ESRS E1: Gross Scope 1, 2, 3 and total GHG emissions (E1-6)



No netting with GHG removals!

ESRS E1: Further data points

- **GHG removals and mitigation projects (E1-7)**

- Transparency about how companies enhance natural sinks or apply technical solutions to remove GHG from the atmosphere.

Total GHG removals
from own operations

Total GHG removals in the upstream
and downstream value chain

GHG emission reductions or removals from climate change mitigation projects outside the value chain it has financed or intends to finance through any purchase of carbon credits (*Offsets*).

- **Internal carbon pricing (E1-8)**

- Is ICP in place and if so, how does it interact with decision making, policies, and targets?

ESRS E1: Further data points

- Anticipated financial effects (E1-9)

Physical risk	Assets at material risk over the short-, medium- and long-term before considering <i>climate change adaptation actions</i>	Monetary amount	Location of significant assets at physical risk
		Proportion (percentage) of total assets	
		Proportion addressed by adaptation actions	
	Net revenue from business activities at material risk over the short-, medium- and long-term	Monetary amount	
Proportion (percentage) of net revenue			
Transition risk	Assets at material risk over the short-, medium- and long-term before considering <i>climate mitigation actions</i>	Monetary amount	
		Proportion (percentage) of total assets	
		Proportion addressed by mitigation actions	
	Breakdown of the carrying value of the undertaking's real estate assets by energy-efficiency classes		
	Liabilities that may have to be recognized in financial statements over the short-, medium- and long-term		
	Net revenue from business activities at material risk over the short-, medium- and long-term	Monetary amount	
Proportion (percentage) of net revenue			

3 contemporary standards for climate reporting

	ESRS E1	IFRS S2	SEC Climate Disclosure Rule
Origin	<ul style="list-style-type: none"> Part of the European Sustainability Reporting Standards (ESRS) <i>Mandated</i> by European Regulation (CSRD) 	<ul style="list-style-type: none"> Developed by the ISSB Fundamentally a <i>voluntary</i> framework Aspiration to become the global baseline standard 	<ul style="list-style-type: none"> The SEC's reaction to increasing financial risks from climate change Currently at the proposal stage, <i>mandatory</i> if implemented
Scope 1	<ul style="list-style-type: none"> Operational control approach 	<ul style="list-style-type: none"> Equity share, or control approach 	<ul style="list-style-type: none"> Same organizational boundaries as in fin. statements
Scope 2	<ul style="list-style-type: none"> Market-based and location-based methods (dual reporting) 	<ul style="list-style-type: none"> Location-based method required 	<ul style="list-style-type: none"> No single method mandated Dual reporting allowed
Operational scope	<ul style="list-style-type: none"> Mandatory reporting of scopes 1-3, ESRS E1 and IFRS S2 allow for phase-in 		
Materiality	<ul style="list-style-type: none"> Double materiality 	<ul style="list-style-type: none"> Financial materiality 	<ul style="list-style-type: none"> Financial materiality

Data points ESRS E1 vs. IFRS S2

- ESRS E1 requires more extensive climate-related disclosures in many aspects compared to IFRS S2.
 - For instance, in relation to anticipated financial effects (ESRS E1) and assets / business activities vulnerable to climate risk (IFRS S2).
- Main points of divergence include the dual reporting of market- and location-based Scope 2 emissions under ESRS E1.
 - Dual reporting not only influences Scope 2 but also Total GHG emissions, and GHG intensity disclosures in E1.
 - Total GHG emissions, and GHG intensity disclosures are not required by IFRS S2.
- Further, whereas ESRS E1 requires the disclosure of GHG removals and offsets, if material, no such requirement exists in IFRS S2.
 - In IFRS S2, GHG removals or offsets are only to be considered in the context of net zero targets.

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